



US Army Corps
of Engineers®
Philadelphia District

Pond Creek Salt Marsh Restoration Project



FAQ's

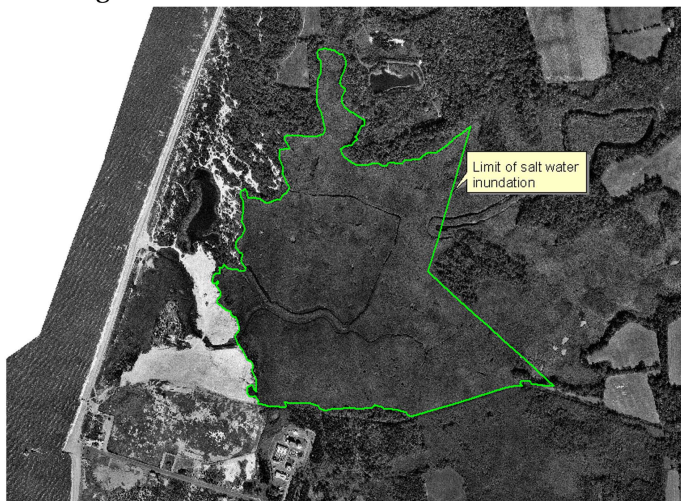
Saltwater Intrusion

Will the Pond Creek cause local domestic and irrigation supply wells to become salty?

No. Here's why:

- Nearly all supply wells will be 1 mile or more from the limit of saltwater inundation of the project area. (See Figure 1)
- Most domestic-supply wells tap the estuarine sand aquifer. Generally home owners only use about 200 to 300 gallons of water per day and this little withdrawal does not cause saltwater intrusion. (See Figure 2)
- Some domestic supply wells tap the Holly Beach water-bearing zone. If they are very close to the salt front (less than 200 ft) they may be susceptible to saltwater intrusion. (See Figure 2)
- Some heavily used irrigation and other large volume supply wells may cause a cone of depression that may induce limited salt water intrusion. But the location of the well and the volume of water would need to be considered prior to assessing the rate of intrusion. Only a few wells of this type are in the area. They presently have a limit for withdrawal of 100,000 gallons per day and they are only used during the summer.
- Monitoring of some existing wells will be completed before and after the project to insure no impact to local wells.

Figure 1. Limit of Saltwater Inundation



Cape May County
Department of
Mosquito Control

Figure 2. Cross Section of Marsh

